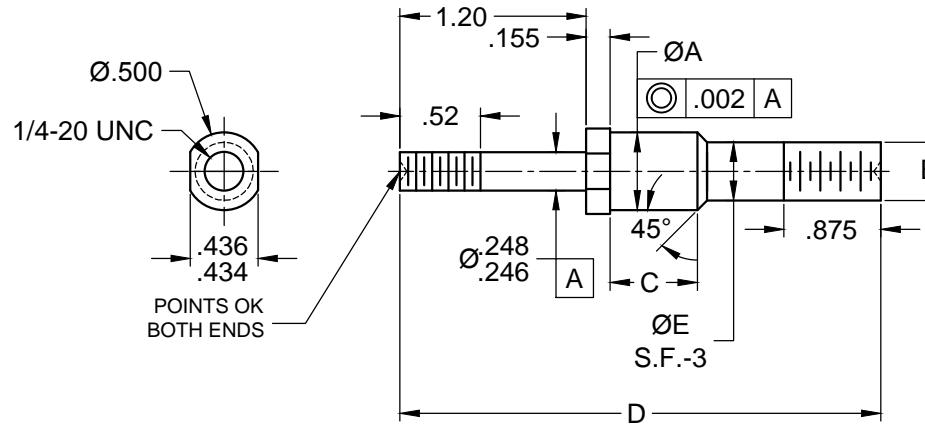
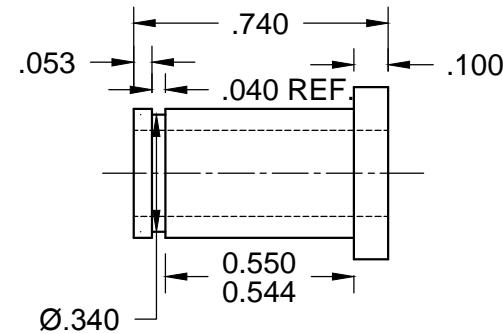
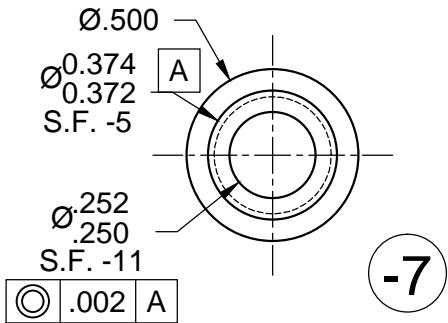


STUD

STUD



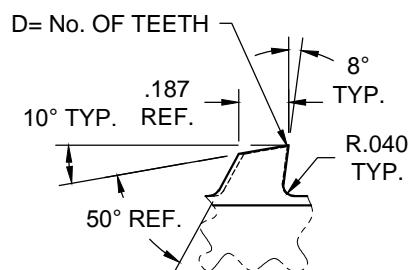
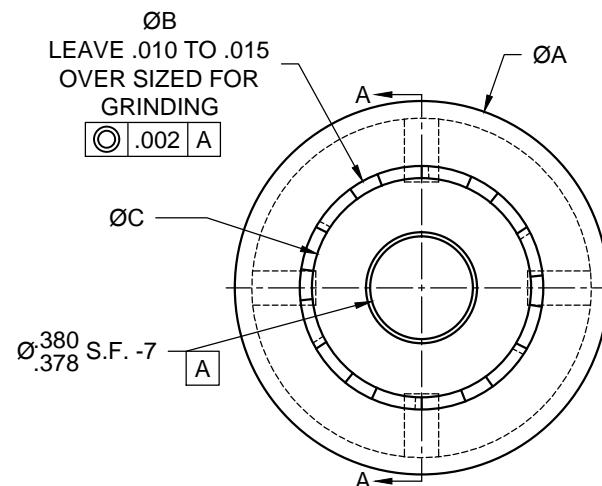
 RED BARN MACHINE	
TITLE	
PORT. R. ANGLE BEARING CUTTER; STUD	
DWG NO.	TOOL#(see chart)-11
	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
X ± 1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY:	PERRITT
APPROVED	
HEAT TREAT	
FINISH SPEC	BLACK OXIDE
USED ON BEARING	
SEE CHART	
SCALE	NTS
DATE	3-26-08
SHEET	5 of 5



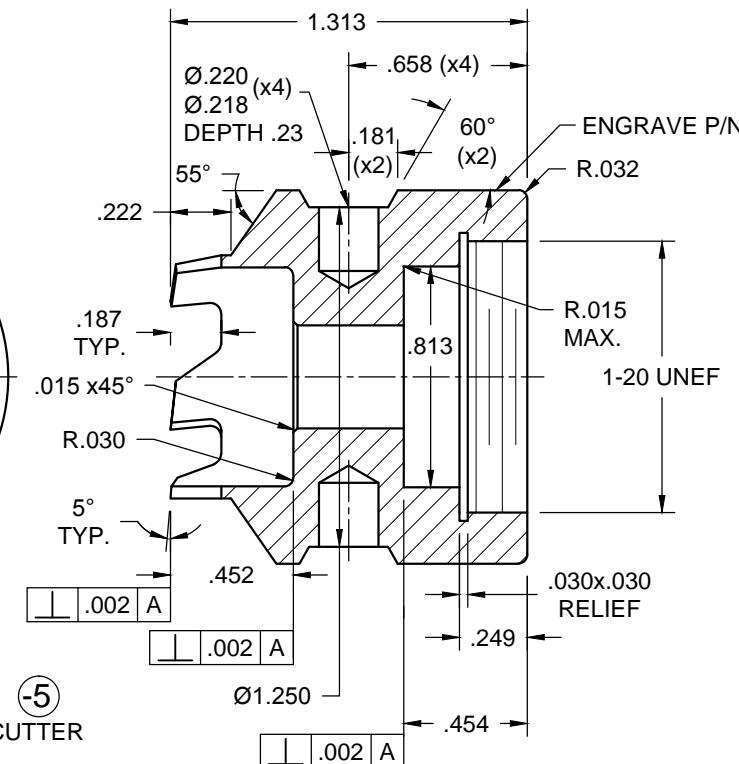
GUIDE

BEARING #	TOOL #		MATERIAL
BACB10	KSCFB04P-R	-	BRONZE RND. BAR Ø1/2 x 7/8

RB RED BARN MACHINE	
PORT. R. ANGLE BEARING CUTTER; GUIDE	
DWG NO.	TOOL#(see chart)-7
REV 1	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
XXX	± .005
XX	± .01
X	± .1
FRACTIONS ± 1/32	
ANGLES ± 5°	
APPROVED	
HEAT TREAT	
FINISH SPEC	
USED ON BEARING	
SCALE	NTS
DATE	3-26-08
SHEET	4 of 5

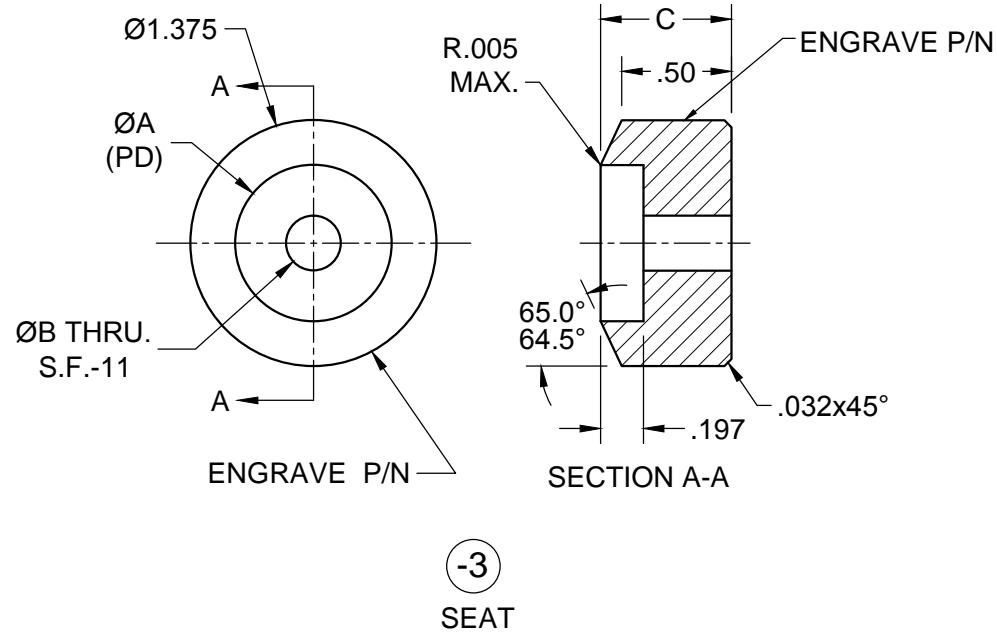


AUX. VIEW
TYP. EACH TOOTH



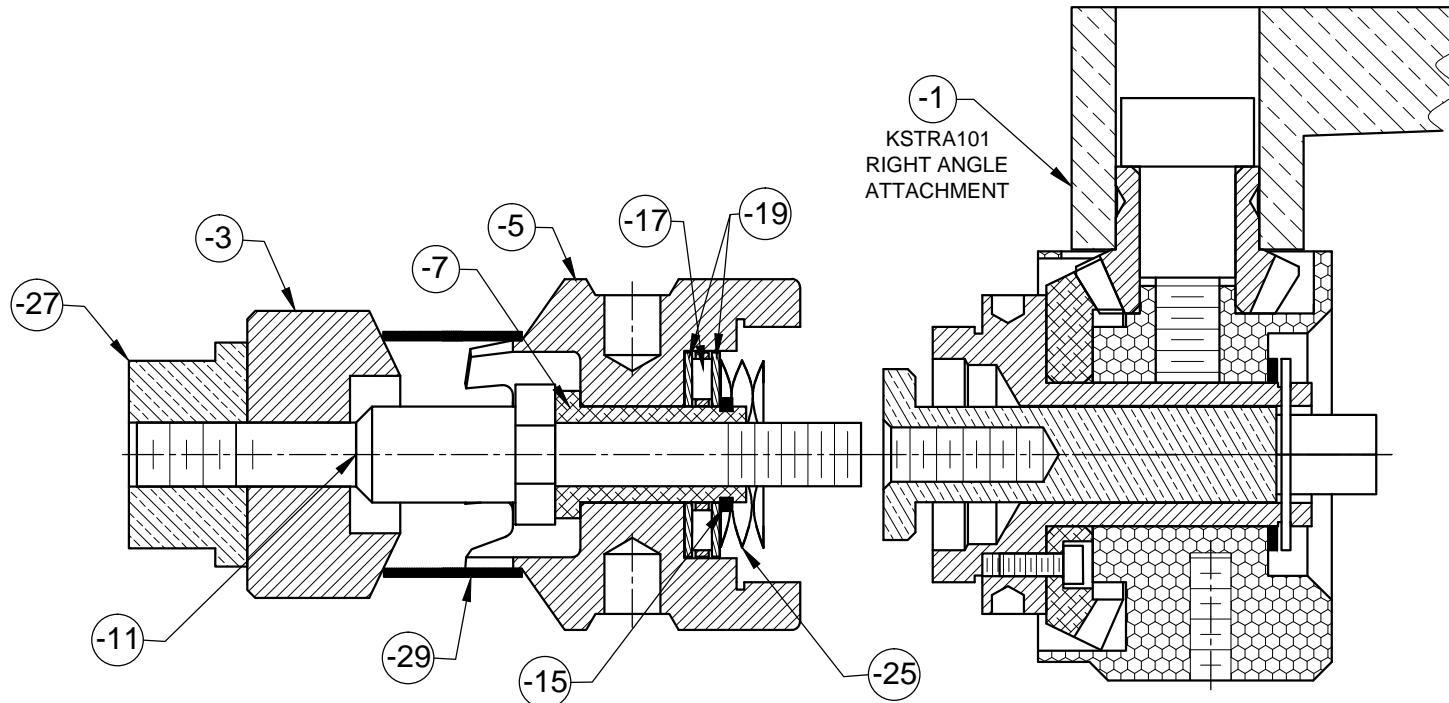
SECTION A-A

TITLE		RED BARN MACHINE	
PORT. R. ANGLE BEARING CUTTER; CUTTER			
DWG NO.	TOOL#(see chart)-5		REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS $.XXX \pm .005$ $.XX \pm .01$ $.X \pm .1$		DRAWN BY: PERRITT APPROVED HEAT TREAT RC 55-60 FINISH SPEC BLACK OXIDE USED ON BEARING SEE CHART	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES $.015 \times .45^\circ$ PR. $.015$ R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	NTS	DATE	3-26-08
		SHEET	3 of 5



 RED BARN MACHINE	
TITLE	
PORT. R. ANGLE BEARING CUTTER; SEAT	
DWG NO.	TOOL#(see chart)-3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS	
XXX ± .005	FRACTIONS ± 1/32
XX ± .01	ANGLES ± 5°
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY:	PERRITT
APPROVED	
HEAT TREAT	
FINISH SPEC	BLACK OXIDE
USED ON BEARING	
SEE CHART	
SCALE	NTS
DATE	3-26-08
SHEET	2 of 5

REVISIONS		DATE	INITIAL	APPROVED
REV	DESCRIPTION			
1	WIDENED -5 CUTTER TEETH FROM .045 TO .060.	4/28/06	WP	DW



BEARINGS & TOOLS COVERED	
BEARING #	TOOL #
BACB10	FB04-AMT
BACB10	KSCFB04P-R
BACB10	

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.
	-1	1	RIGHT ANGLE ATTACHMENT		SEE TOOL # KSTRA101		1	
	-3	1	SEAT		SEE CHART		2	
	-5	1	CUTTER		SEE CHART		3	
	-7	1	GUIDE		SEE CHART		4	
	-9		DELETED					
	-11	1	STUD		SEE CHART		5	
	B/O -15	1	EXTERNAL SPIRAL RETAINING RING		Ø3/8 SHAFT MCMASTER-CARR PN: 91665A340		1	
	B/O -17	1	THRUST BEARING		Ø3/8 ID. x 13/16 OD. x 5/64 APPLIED PN: NTA-613		1	
	B/O -19	2	THRUST WASHERS		Ø3/8 ID. x 13/16 OD. x 1/32 APPLIED PN: TRA-613		1	
	B/O -23	1	SPANNER WRENCH		MCMASTER-CARR PN: 5475A12		N/S	
	B/O -25	1	CREST TO CREST SPRING		APPLIED IND. (SMALLEY CO. PN: CS075-H1)		1	
	B/O -27	1	SWIVEL HEX FLANGE NUT	BLACK	SEE CHART		5	
	B/O -29	1	TOOTH GUARD (FOR SHIPPING ONLY)	TUBE VINYL	SEE -5 ØB PAGE 4 FOR INSIDE DIA. OF TUBE x 5/8 LENGTH		1	

RB RED BARN MACHINE

TITLE
PORT. R. ANGLE BEARING CUTTERS
DWG NO. SEE CHART ABOVE FOR TOOL No. **REV 1**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ON:

DECIMALS XXX \pm .005 FRACTIONS \pm 1/32

XX \pm .01 ANGLES \pm 5°

X \pm .1

DRAWN BY: PERRITT

APPROVED

HEAT TREAT SEE PART

FINISH SPEC SEE PART

USED ON BEARING

UNLESS OTHERWISE SPECIFIED
1. BREAK ALL SHARP EDGES
.015 x 45° PR.015 R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING

SEE CHART

SCALE NTS DATE 3-26-08 SHEET 1 of 5

REVISIONS					
REV	DESCRIPTION			DATE	INITIAL APPR
--	--			--	--

NOT APPROVED FOR PRODUCTION

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MAT.	B/O INFORMATION OR SPECIFICATIONS	Pg.	TITLE	---
			-1	1	RND	6061	Ø8-1/4 x 3-7/8	2	DWG NO.	RE
									UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 XX ± .01 ANGLES ± 5°	DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC USED ON MODEL
									1. BREAK ALL SHARP EDGES .015 x 45° PR,.015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
ASSY #									SCALE NTS DATE 8-15-07 SHEET 1 of	

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	--

DRAWN BY: PERRITT	RB RED BARN MACHINE
CHECKED	
HEAT	
TREAT	
FINISH SPEC	
USED ON MODEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
?	TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5°
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 0.015 x 45° PR. 0.015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
	DWG NO.
	SCALE NTS DATE 1-28-06 SHEET 1 of 1

NOT USED WITH HLR ATTACH

NOT APPROVED FOR PRODUCTION

Technical drawing showing two views of a bearing cutter. The left view is a cross-section labeled 'SECTION A-A' with dimensions: outer diameter Ø.813, shoulder diameter Ø.530, shoulder thickness Ø.410, and a note '1/4-20 UNC THRU BORE .281 DEPTH .125'. A callout 'A' shows a tension spring with a diameter of R.032 (x3). The right view is a top-down view with dimensions: total width .996, shoulder height .521, shoulder thickness .271, shoulder angle 65°, and a note '500 HLR'. A 'KNURL' is indicated on the side.

 RED BARN MACHINE	
TITLE	
PORT. BEARING CUTTER; SPRING TENSIONER	
DWG NO.	TOOL#(see chart)-1
	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
XX ± .01	ANGLES ± 5°
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: PERRITT	
APPROVED	
HEAT	
TREAT	
FINISH	
SPEC BLACK OXIDE	
USED ON BEARING	
SEE CHART	
SCALE	NTS
DATE	3-26-08
SHEET	2 of 6